Recombinant Human Ornithine carbamoyltransferase, mitochondrial (OTC)

Product Code	CSB-BP017270HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P00480
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	NKVQLKGR DLLTLKNFTG EEIKYMLWLS ADLKFRIKQK GEYLPLLQGK SLGMIFEKRS TRTRLSTETG FALLGGHPCF LTTQDIHLGV NESLTDTARV LSSMADAVLA RVYKQSDLDT LAKEASIPII NGLSDLYHPI QILADYLTLQ EHYSSLKGLT LSWIGDGNNI LHSIMMSAAK FGMHLQAATP KGYEPDASVT KLAEQYAKEN GTKLLLTNDP LEAAHGGNVL ITDTWISMGQ EEEKKKRLQA FQGYQVTMKT AKVAASDWTF LHCLPRKPEE VDDEVFYSPR SLVFPEAENR KWTIMAVMVS LLTDYSPQLQ KPKF
Source	Baculovirus
Target Names	OTC
Protein Names	Recommended name: Ornithine carbamoyltransferase, mitochondrial EC= 2.1.3.3 Alternative name(s): Ornithine transcarbamylase Short name= OTCase
Expression Region	33-354
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This nuclear gene encodes a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it may play a role in that disease also.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.